

MODIS SCIENCE TEAM MEETING



INTRODUCTION AND OVERVIEW

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GREENBELT MARRIOTT JULY 22-24, 2002



SOME MODIS THRUSTS



TERRA PRODUCTS STATUS RE: VALIDATION -SCHEDULE FOR ACHIEVING "VALIDATION"

AQUA MODIS STATUS/PERFORMANCE

ACCESS OF DATA PRODUCTS BY EARTH SCIENCE AND APPLICATIONS COMMUNITIES

- **-USER EXPERIENCES**
- **-OUTREACH EFFORTS**

PROGRESS AND PLANS FOR INTEGRATING MODIS
PRODUCTS INTO EARTH SCIENCE AND
APPLICATIONS EFFORTS







GENERAL STATUS OVERVIEW



- BOTH THE TERRA MODIS AND AQUA MODIS ARE WORKING WELL
 - -OVERALL CHARACTERIZATION IS EXCELLENT; GEOLOCATION IS VERY GOOD
 - -TERRA MODIS FORMATTER PERFORMANCE IS BEING WATCHED
 - -AQUA MODIS PERFORMANCE LOOKS GOOD EXCEPT FOR BAND 6 WITH SEVERAL DEAD DETECTORS AND COLD/WARM FOCAL PLANE REGISTRATION IS A BIT OUT OF SPEC.
- •DATA PROCESSING DOING WELL
 - -OCEANS REPROCESSING PLANNED FOR FINISH BY EARLY FALL 2002
 - -LAND, ATMOSPHERE, AND LEVEL 1 REPROCESSING SHOULD START FALL 2002 AND GO TO MID-2003.
 - -GOOD PROGRESS HAS BEEN MADE IN RESPONDING TO MDPRT (E.G., CD/FTP DATA SET AND SYSTEMS ENGINEER)







CD DATA SET PRODUCED





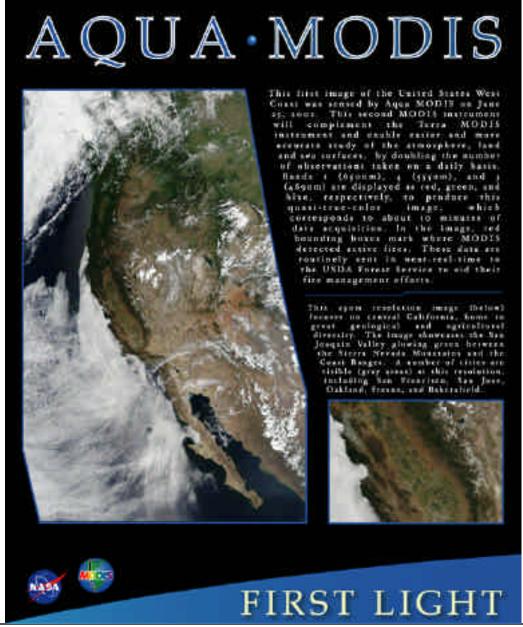


ftp://modis.gsfc.nasa.gov/pub/Data_Sets/



AQUA MODIS POSTER









GENERAL STATUS OVERVIEW (CONT.)



•DIRECT BROADCAST IS DOING WELL

- -LOTS OF STATIONS, MANY APPLICATIONS; E.G., TERASCAN USERS CONFERENCE,
- -SOME CODE HAS BEEN MADE AVAILABLE FOR PRODUCTS, MORE IN PREPARATION
- •APPLICATIONS AND USE IN SCIENCE IS GROWING; E.G.,
 - "RAPIDFIRE", NOAA "BENT-PIPE", ALBEDO IN MODELS
- •DATA PRODUCT ACCESS CONTINUES AS A NAGGING CONCERN
 - -DATA SUBSETTING PARTICULARLY NEEDS IMPROVEMENT ON THE EDG
 - -TERRA/WHOM/GSFC DAAC INTERFACE WITH USERS DOING WELL IN MANY INSTANCES
 - -USER INTERFACE NEEDS TO ACCOMMODATE THE "NEW GRADUATE STUDENT WITH 2-YEAR OLD LAPTOP"
 - -MODIS SUCCESS WON'T OCCUR UNTIL USERS CAN GET THE PRODUCTS "EASILY"

•DATA PRODUCT ACCESS PANEL DISCUSSION TOMORROW





Earth Science Enterprise National Aeronautics and Space Administration

UAH DEMONSTRATION



Data Mining, ESML, and Subsetting

Tools Demonstration

Presented by

Dr. Sara J. Graves, Director ITSC, and Dr. Rahul Ramachandran University of Alabama in Huntsville

- -Data Mining
- -Earth Science Markup Language (ESML)
- -Subsetting
 - –Dataset independent subsetting for HDF-EOS files
 - -Specialized subsetting applications customized to users' requirements
 - -General purpose subsetting via data mining



